

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	0	("5581632 5790534 5864549 5867478 5870378 5872776 5881056 5933423 5936950 5943330 6005852 6011812 6047020 6064689 6091788 6101176 6128486 6154507 6161209 6188718 6192042 6212406 6215780 6219341 6222833 6240099 ").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L3	512	(multi adj user) and cdma and (interference with cancell\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L4	554	375/143	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L5	584	375/136	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L6	843	375/144	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L7	1711	375/148	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L8	133	((multi adj user) and cdma) with (interference with cancell\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09

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L9	1	"10/099906"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L10	2	L8 and L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L11	2	"5394434".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L12	4	("5644592" "6067292").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L13	51	("5581632" "5790534" "5864549" "5867478" "5870378" "5872776" "5881056" "5933423" "5936950" "5943330" "6005852" "6011812" "6047020" "6064689" "6091788" "6101176" "6128486" "6154507" "6161209" "6188718" "6192042" "6212406" "6215780" "6219341" "6222833" "6240099").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L14	13	((multi adj user) and cdma) with (interference with cancell\$5) and ((long adj code) or long-code)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L15	7	((multi adj user) and cdma) with (interference with cancell\$5) and ((long adj code) or long-code) and (iterative or iteratively or adaptive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L16	6	((multi adj user) and cdma) with (interference with cancell\$5) and ((long adj code) or long-code) and (iterative or iteratively or adaptive) and residual	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09

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L17	2	"6570864".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L18	7	L8 and L5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L19	23	L8 and L6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L20	41	L8 and L7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L21	2	"5237586".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L22	2	"5351016".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L23	2	"5894473".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L24	2	"5394434".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09


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L25	133	((multi adj user) and cdma) with (interference with cancell\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L26	105	("20010053177" "20020051433" "20020118728" "20020122392" "20030058929" "20030076875" "20030091058" "20030091102" "20030091106" "20030099224" "20030099225" "20030103558" "20030128739" "20030191887" "20030198197" "20030202559" "20030202566" "20030206577" "20030231702" "20040213329" "3996455" "5014235" "5530877" "5566171" "5576715" "5757791" "5809262" "5812843" "6014408" "6018317" "6105148" "6122309" "6127973" "6154443" "6161209" "6282233" "6311296" "6370130" "6470000" "6518980" "6546026" "6570864" "6600729" "6647059" "6697973" "6754805" "6782036" "6801565" "6816541" "6842480" "6948100").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:09
L27	84	residual with spread with spectrum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:15
L29	11	residual with spread with spectrum and refin\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:18
L30	2	(residual with spread with spectrum and refin\$2).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:18
L31	2	(residual with spread with spectrum and refin\$2 and rake).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:40

## EAST Search History

L32	2	"5930706".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 15:40
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Figure 41 Coherent **Rake** receiver using the WMSA channel estimation filters. ... by  
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while those that employ single-user **matched-filter** demodulation [7] or decorrelation suffer ... represents the soft iterative MMSE multiuser **RAKE** com- ...[ieeexplore.ieee.org/iel5/49/20181/00932701.pdf?](http://ieeexplore.ieee.org/iel5/49/20181/00932701.pdf?tp=&isnumber=20181&arnumber=932701&type=ref)[tp=&isnumber=20181&arnumber=932701&type=ref](http://ieeexplore.ieee.org/iel5/49/20181/00932701.pdf?tp=&isnumber=20181&arnumber=932701&type=ref) - [Similar pages](#)[\[PDF\] A low-cost time-hopping impulse radio system for high data rate ...](#)File Format: PDF/Adobe Acrobat - [View as HTML](#)The **matched filter** in the **RAKE** receiver in UWB systems is implemented using analog circuits ... time-hopping **spread-spectrum** impulse radio for wireless ...[www.hindawi.com/GetPDF.aspx?doi=10.1155/ASP.2005.397](http://www.hindawi.com/GetPDF.aspx?doi=10.1155/ASP.2005.397) - [Similar pages](#)

## [doc] Template

File Format: Microsoft Word - [View as HTML](#)Conventional single user CDMA detectors (SUD), such as the **matched filter** and the **rake**

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...Intersil HFA3861B Direct Sequence **Spread Spectrum** (DSSS) baseband processor is part...PCMCIA Wireless Transceiver · **Spread Spectrum** WLAN RF Modems · TDMA Packet...MOD PATH OF 3861 EXCEPT FOR TX **FILTER** AND D/A RXCLK RX\_PE MD\_RDY RXD...  
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Apr 1996  
...Sound Capture from Spatial Volumes: **Matched-Filter** Processing of Microphone Arrays Hav...Krolik A Coherent Approach to Broadband **Matched-Field** Processing: Application In the...B. Porter, Zoi-Heleni Michalopoulou **Matched-Field** Localization with Many Uncertain...Digital Signal Processing Efficient **Filters** Chair: Andrew Yagle, University of Michigan...  
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Mar 2001  
...linear minimum-mean- squared-error (MMSE) **filters**. Finally, we develop an iterative multiuser...decision statistics as the conventional **RAKE** receiver (i.e., the outputs of the

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residual "sp  
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found in t  
correlator  
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multistage  
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All of the

maximum...cancellation and instantaneous MMSE **filtering**. The soft multiuser detector has a complexity...78 b. Instantaneous MMSE **Filtering** . . . . . 80 c. Computing...83 E. The Single-User **RAKE** Receiver...  
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- ☐ **6. Fixed - Point Implementation of a Multistage Receiver** [PDF-186K]  
Jan 1997  
...is proposed in [80] which uses both **matched filters** and active correlators. This scheme...is attached which is detected by the **matched filter** architecture. The shortness of the...a set number of times) allows for a **matched filter** with a reduced complexity. If the output...  
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May 1998  
...of RNS Frequency Sampling **Filter** Banks Meyer-Ba\*se U., Mellott...**filtering** algorithms for **residual** acoustic echo reduction...impulse noise removal using PWL **filter** model Li W. (Univ. Erlangen...Monday 21.04.1997, Morning **Matched** Field Processing 11.50...16.30, SPCH3P.14 Kalman **filtering** for low distortion speech...Multimodal Speech Coder with Gain-**Matched** Analysis-by-Synthesis Paksoy...  
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Nov 2000  
...STD Standard deviation. Delay between successive taps of TDL **filter**. Bulk delay. Steering delay in front of the element to steer...preamplifiers, Fig. 2. Narrow-band beam-former structure. bandpass **filters**, and so on. It follows from the figure that an expression for...  
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Aug 1999  
DEPARTMENT OF Electrical Engineering Annual Report 1997-98 A. JAMES CLARK SCHOOL OF ENGINEERING GLENN L. MARTIN INSTITUTE OF TECHNOLOGY UNIVERSITY OF MARYLAND Professor Charles Striffler Associate Chair, Facilities and Services 301/405-1238 cds@eng.umd.  
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- ☐ **10. Department of Electrical Engineering 1998 Annual Report** [PDF-236K]  
Aug 1999  
DEPARTMENT OF Electrical Engineering Annual Report 1997-98 A. JAMES CLARK SCHOOL OF ENGINEERING GLENN L. MARTIN INSTITUTE OF TECHNOLOGY UNIVERSITY OF MARYLAND Professor Charles Striffler Associate Chair, Facilities and Services 301/405-1238 cds@eng.umd.  
[http://www.enee.umd.edu/AnnualReport/annual\_report\_199...]  
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- ☐ **11. DETECTING MESSAGES TRANSMITTED OVER A COMMUNICATIONS CHANNEL SUCH AS A PAGING CHANNEL**  
**RAITH, Alex, Krister / ERICSSON INC., EUROPEAN PATENT, Sep 1998**  
BACKGROUND OF THE INVENTION Field of the Invention The present invention relates to wireless communication systems and, more particularly, to a method and apparatus for detecting messages transmitted over a communications channel such as a...  
**Full text available at patent office. For more in-depth searching go to**  LexisNexis-  
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- ☐ **12. DETECTING MESSAGES TRANSMITTED OVER A COMMUNICATIONS CHANNEL SUCH AS A PAGING CHANNEL**

**RAITH, Alex, Krister / ERICSSON INC., PATENT COOPERATION TREATY APPLICATION**, Jun 1997

The present invention allows for the detection of data (202) contained in transmitted messages (200) (e.g., page messages as shown in Figs. 13-14) at a selected early point in the receiving and decoding process. By forming, at that point, a received...

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... 24...32 4.2.1 **Matched Filters**...  
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Jul 1998  
...Pedron and Olivier Sentieys Adaptive **filters** implementation performances under power...Martin Behavioral Synthesis of Digital **Filters** Using Attribute Grammars...and Jukka Saarinen Adaptive Nonlinear **Filtering** with the Support Vector Method...  
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May 2000  
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- ☐ 1. **Iterative propagation delay estimation for asynchronous direct-sequence code division multiple access communication systems**  
 Hong, K.C.; Hongya Ge; Kun Wang;  
[Spread Spectrum Techniques and Applications, 2000 IEEE Sixth International Symposium](#)  
 Volume 1, 6-8 Sept. 2000 Page(s):292 - 295 vol.1  
 Digital Object Identifier 10.1109/ISSSTA.2000.878131  
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# Continuity Information for 10/099906

**Parent Data**10099906Claims Priority from Provisional Application 60275846Claims Priority from Provisional Application 60289600Claims Priority from Provisional Application 60295060**Child Data**

No Child Data

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Information**

Content	Mailroom Date	Entry Number	IDS Review	Last Modified	Reviewer
M844	2006-05-12	38	Y <input checked="" type="checkbox"/>	2006-07-11 10:07:45.0	jtorres1
M844	2002-09-11	14	Y <input checked="" type="checkbox"/>	2002-09-23 09:55:04.0	dwendamagegeh
M844	2002-06-13	12	Y <input checked="" type="checkbox"/>	2002-08-14 16:36:56.0	jepps
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